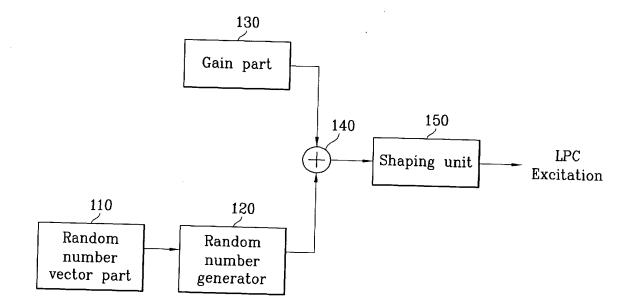
Blakely, Sokoloff, Taylor & Zafman LLP (310) 207-3800 Title: APPARATUS AND METHOD FOR SHAPING THE SPEECH SIGNAL IN CONSIDERATION

OF ITS ENERGY DISTRIBUTION CHARACTERISTICS
1st Named Inventor: Eun-Kyoung GO
Express Mail No.: EV 339918004 US

Docket No.: 3364P133

Sheet: 1 of 8

FIG.1

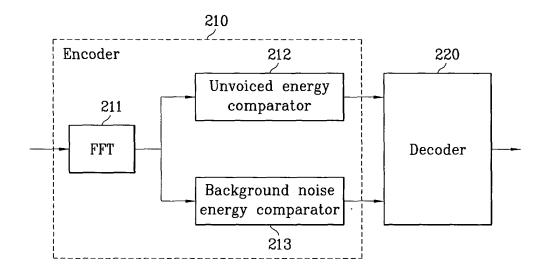


Blakely, Sokoloff, Taylor & Zafman LLP (310) 207-380 Title: APPARATUS AND METHOD FOR SHAPING THE SPEECH SIGNAL IN CONSIDERATION OF ITS ENERGY DISTRIBUTION CHARACTERISTICS
1st Named Inventor: Eun-Kyoung GO
Express Mail No.: EV 339918004 US Docket No.: 3364P13 (310) 207-3800

Docket No.: 3364P133

Sheet: 2 of 8

FIG.2



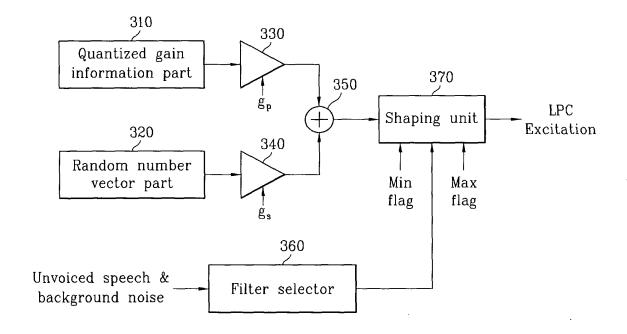
Blakely, Sokoloff, Taylor & Zafman LLP (310) 207-3800 Title: APPARATUS AND METHOD FOR SHAPING THE SPEECH SIGNAL IN CONSIDERATION

OF ITS ENERGY DISTRIBUTION CHARACTERISTICS 1st Named Inventor: Eun-Kyoung GO Express Mail No.: EV 339918004 US

Docket No.: 3364P133

Sheet: 3 of 8

FIG.3



Blakely, Sokoloff, Taylor & Zafman LLP (310) 207-3800 Title: APPARATUS AND METHOD FOR SHAPIN THE SPEECH SIGNAL IN CONSIDERATION

(310) 207-3800

OF ITS ENERGY DISTRIBUTION CHARACTERISTICS
1st Named Inventor: Eun-Kyoung GO
Express Mail No.: EV 339918004 US

Docket No.: 3364P133

Sheet: 4 of 8

FIG.4

Band number	Frequency	
	Unvoiced speech	Background noise
Band 1	0-500	0-2000
Band 2	500-1500	2000-3500
Band 3	1500-3000	3500-5000
Band 4	3000-6400	5000-6400

Blakely, Sokoloff, Taylor & Zafman LLP (310) 207-3800 Title: APPARATUS AND METHOD FOR SHAPING THE SPEECH SIGNAL IN CONSIDERATION

of its energy distribution characteristics

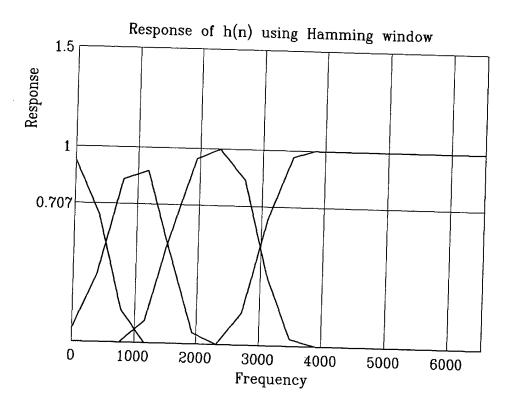
1st Named Inventor: Eun-Kyoung GO

Express Mail No.: EV 339918004 US

Docket No.: 3364P133

Sheet: 5 of 8

FIG.5



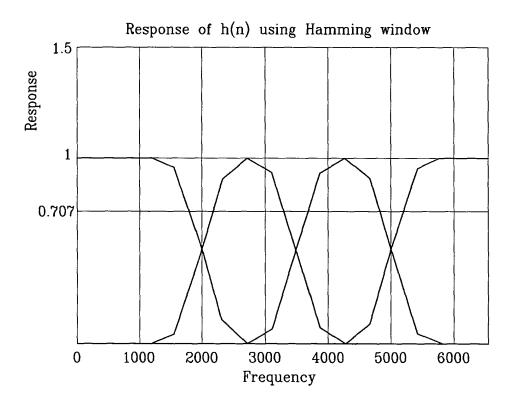
Blakely, Sokoloff, Taylor & Zafman LLP (310) 207-3800 Title: APPARATUS AND METHOD FOR SHAPING THE SPEECH SIGNAL IN CONSIDERATION

of its energy distribution characteristics
1st Named Inventor: Eun-Kyoung GO
Express Mail No.: EV 339918004 US

Docket No.: 3364P133

Sheet: 6 of 8

FIG.6



Blakely, Sokoloff, Taylor & Zafman LLP (310) 207-3800

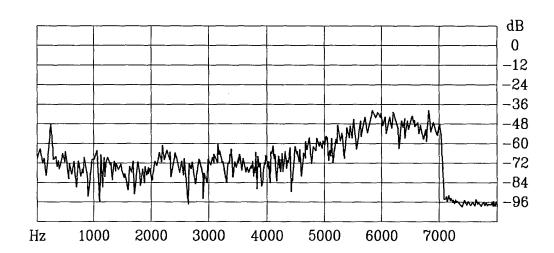
Title: APPARATUS AND METHOD FOR SHAPING THE SPEECH SIGNAL IN CONSIDERATION
OF ITS ENERGY DISTRIBUTION CHARACTERISTICS

OF ITS ENERGY DISTRIBUTION CHARACTERISTICS 1st Named Inventor: Eun-Kyoung GO Express Mail No.: EV 339918004 US

Docket No.: 3364P133

Sheet: 7 of 8

FIG.7



Blakely, Sokoloff, Taylor & Zafman LLP (310) 207-3800 Title: APPARATUS AND METHOD FOR SHAPING THE SPEECH SIGNAL IN CONSIDERATION OF ITS ENERGY DISTRIBUTION CHARACTERISTICS

1st Named Inventor: Eun-Kyoung GO Express Mail No.: EV 339918004 US

Docket No.: 3364P133

Sheet: 8 of 8

FIG.8

